ENDURANCE TECHNOLOGIES LTD	Criteria for acceptable risk	Criteria for acceptable RPN
	Risk rating 1-5 acceptable	RPN=<30==> Acceptable
Activity : - Internal & Externel LT Electrical Work	Risk 6 & Above	RPN=>30==>> Acceptable

ļ	Origin Date :-	
	Approved by :-	
		Megha Electrical Services, Plot No C-15, MIDC Waluj, Aurangabad

Sr		Routine /	Behavioral /	Hazard descriptions Risk		Base / Initial risk Assessment rating			Existing control measures		Resid sessm			Legal or other requirments	RPN=	Risk classification on acceptable/significant/N
No		Nonroutine	Nonbehavioral		Descriptions	LB	SB	LB*SB	Ranking C				LR*SR		LR*SR*C*Reg	ot acceptable
		Routine	Behavioral	1) Slip, Trip & Fall hazards	Abrasion, Physical Injury	2	1	2	 Walkways must be cleared of materials Good houskeeping to be maintained continuosly 	4	1	1	1	1	4	Acceptable
1	Access to work area	Nonroutine	Nonbehavioral	2) Injury due to falling objects	Physical injury	3	4	12	 Worker must be safety inducted Tool box talk must be conducted prior to start of work Workers must be instructed to respect baricade & follow signage All tools should have tag line Excess route to be define 	4	1	1	1	1	4	Acceptable
		Routine	Nonbehavioral	 Struck by the movement of vehicle 	Physical injury	2	1	2	1) Follow Trafic management at site	2	1	1	1	1	2	Acceptable
		Nonroutine	Nonbehavioral	1) Pinch Point , Cuts, Abrasion,	Hand Injury, Finger Injury	3	2	6	 use PPE's Like Safety shoes, helmet & Hand gloves Ensure that the material is kept on wooden donage Deploy sufficient manpower and continious supervision 	4	2	1	2	1	8	Acceptable
2	l dia m 0 l la l dia m - 6 an Anniel	Nonroutine	Behavioral	2) Manual Handling	Cramps, muscle pulling	2	1	2	 Use manual material handling technique Activity should be carried out under supervision 	4	1	1	1	1	4	Acceptable
	Loading & Unloading of material & Equipment at site			3) Injury due to fall of material on foot	Foot injury	2	2	4	 Use PPE's Like Safety shoes, helmet & Hand gloves Deploy sufficient manpower and continious supervision 	5	1	1	1	1	5	Acceptable
		Nonroutine	Nonbehavioral	4) Injury to other personal while unloading long objects	Physical injury	1	2	2	 Area to be barricaded Activity should be carried out under supervision 	4	1	1	1	1	4	Acceptable
				5) Accidental movement of vehicle	Physical injury	1	1	1	 Driver should not leave the vehicle Handbreak must be applied when vehicle is parked Wheel stoppers must be used Area to be barricaded 	4	1	1	1	1	4	Acceptable
				1. Burn injuries due to gas cutting flame / Fire	Burns	3	1	3	 Equipment to be inspected before use Only trained person to operate the equipment 	4	1	1	1	1	4	Acceptable
				2. Injuries due to bursting of torch / cylinder due to flash back	Burns	1	2	1	 Ensure use of asbestos / Kevlar gloves, safety shoes, gas cutting goggles, safety helmets,use of flashback arrestor at torch end and cylinder end. All gauges should be in working conditions. Equipment to be inspected before use 	4	1	1	1	1	4	Acceptable
3	Gas cutting	Nonroutine	Nonbehavioral	3. Eye injury due to infra red radiation, sparks / foreign body	Eye damage	1	1	1	1 Ensure use of apron , leg guard, Proper welding screen, goggles while gas cutting	5	1	1	1	1	5	Acceptable
				4. Injury due to contact with molten metal	Burns	3	2	6	1 Use of Appropriate PPE's	5	1	1	1	1	5	Acceptable
				5 Fire due to leaking hoses / joints	Fire / Explosion	2	4	8	 Ensure that the surrounding area is kept clear of any combustible / flammable material , Ensure damaged / frayed hoses are replaced. Ensure all hose clips are securely tightened, Leak test to be cunducted prior to use 	4	1	1	1	1	4	Acceptable
	MC Preskets			6 Injury due to fall of cylinder	Physical injury	2	3	6	Ensure cylinders are securely positioned in an appropriate trolley. Lifting & shifting of cylinders should be done on trolley	4	1	1	1	1	4	Acceptable
	MS Brackets			1) Damage power tools	Physical injury	2	4	8	 All the power tools , Hand tools must be inspected & tested prior to start of work Only trained operator to operate the power tools 	4	1	2	2	1	8	Acceptable

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V	Recommended Action	Respnsibility & target	Improved residual risk rating										
۲	necommended Action	completion date	LR	SR	LR*SR	С	REG	RPN					
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		2) Damage cable , Joints in cable	Shock 2	3	6	 All the cables to be routed through RCCB No cable joints to be allowed All the connection to be thorugh industiral Pin Tops 	3	1 1	1	1	3	Acceptable			
A) Fabrication	Routine Nonbehavioral	3) Eye injury due to flying particles,	Eye damage 2	2	4	 Use PPE's like safety shoes,Helmet,hand golves and safety goggle / faceshield No person should stand in line of fire 	5	1 1	1	1	5	Acceptable			
		 Body injury due to breakage of wheel 	Physical injury 2	3		 No person should stand in line of fire Appropriate cutting wheel should be used Ensure guard is provided 	3	1 1	1	1	3	Acceptable			
		5) Dust generation	Respiratory Problems 1	1	1	1) Use dust mask	5	1 1	1	1	5	Acceptable			